

200 SALE BULLS AVERAGES:

	WEIGHT	RATIO	EBV
AVERAGE BIRTH WEIGHT	83 lbs.	—	100
AVERAGE WEANING—205 DAYS	538 lbs.	105	102
AVERAGE DAILY GAIN—180 DAYS	3.34 lbs.	102	—
AVERAGE W.D.A.—365 DAYS	2.88 lbs.	102	—
AVERAGE YEARLING—365 DAYS	1073 lbs.	103	102
AVERAGE SCROTAL—365 DAYS	34.2 cc	115	—
AVERAGE FRAME—365 DAYS	47.5 lbs.	111	—
AVERAGE BACKFAT—off test	2 in.	—	—

*The 200 bulls have an AVERAGE 12 month shoulder height of 47.5" an average frame score of 5. EVERY bull is a type 4 or better with 127 bulls of type 5 and 23 bulls of type 6!

*FRAME TYPES

The frame types and 12 months of age shoulder height indicates for corresponding steers the expected weights at which 80% or more will grade choice at 14.5 to 15 months.

1	2	3	4	5	6
39-40.9"	41-42.9"	43-44.9"	45-46.9"	47-48.9"	49-50.9"

- 186 of the 200 bulls are larger (yearling wt.) than our popular high selling bull in 1975, Leachman Chinook 6051
- 76 of the bulls are equal to or taller than our tallest bull in 1979, Leachman High Rise, the 1981 National Reserve Champion bull
- 17 random bull calves, by an exotic bull we use in our program (a weaning weight leader in his breed with a sire summary ratio of 101.2), from our registered percentage Red Angus herd, had ONLY a 101.5 weaning ratio when compared to 213 Red Angus sire bull calves!
- They are a "breed apart" within the breed—herd bulls for the most discriminating seed-stock producers!

3. HERE'S HOW YOU CAN SELECT THEM...

- There are 64 bulls with yearling weights over 1100 pounds and up to 1339 pounds!
- There are 9 bulls that gained over 4 pounds per day for 160 days!
- There are 23 bulls of type 6 frame!
- They are a "breed apart" within their breed—herd bulls for the most discriminating seed-stock producers!

4. HERE'S THE REASON COMMERCIAL COWMEN BUY LEACHMAN BULLS IN VOLUME...

- The top 40% out of 500 sell without exception
- All are officially fertility tested
- 94% are sired by A.I. bulls
- All bulls out of cows born unassisted
- Three different sire groups to select from
- Large uniform groups of half brothers
- Their 230 replacement heifer mates have an average yearling wt. of 838 pounds
- All born, raised, tested and sold at ranch
- Thus 95% of our bulls go to commercial breeders in over 15 states

5. HERE'S HOW YOU CAN SELECT THEM...

You can accurately select our Red Angus for your program, whatever your goals—calving, maternal, growth, fertility and frame—because our cattle are objectively measured and compared for these traits.

ALL BULLS SELL WITH THE FOLLOWING MEANINGFUL DATA:

INDIVIDUAL PERFORMANCE															For explanation see catalogue for "Leachman Bull Buyers' Guide for Performance Selection")														
CONT. GROUP #HEAD	CALVING TRAITS					MATERNAL TRAITS					GROWTH TRAITS					FERTILITY		SIZE	CUTABILITY										
	AGE BAM	EASE CODE	BIRTH WT	TRT	EBV RATIO	WEAN RATIO	EBV RATIO	GAIN RATIO	WEAN RATIO	YEAR RATIO	EBV RATIO	SCROTAL SIZE RATIO	SPOTS	FRAME RATIO	BACKFAT RATIO														
PCI 235	10	1	70	100		110	102	110	110	110	103	105	105	105	105														

Our goal is to help you make the correct decision through the emphasis on Estimated Breeding Values (EBV). For example, the EBV for birth weight is your most effective

tool in the industry to select yearling bulls for ease of calving. In fact, you can't afford to select bulls without EBV information.

TODAY THE DEMAND IS FOR CATTLE THAT CALVE, GROW, YIELD, AND CONVENIENTLY WORK IN CROSSBREEDING PROGRAMS—CATTLE WITH EXOTIC PERFORMANCE BUT ANGUS CALVING CONVENIENCE AND PREDICTABILITY—THE LEACHMAN KIND—YOU WILL FIND THAT THEY ARE TRULY A BREED APART.

ALSO AVAILABLE AT PRIVATE TREATY—FIRST COME BASIS

20 BIG RED TWO-YEAR-OLD BULLS—\$1,500 each.
50 RED YEARLING BULLS—from middles of herd, approximate weight 1,000 lbs., ideal for heifers—\$1,000 to \$1,500 each.

ALL FEMALES CARRY THE LEACHMAN PREFIX AND THE HAIRPIN BRAND—THE MOST SOUGHT-AFTER FEMALES IN THE BREED: ALL SELL WITH BREEDING PRIVILEGE.

50 cows and calves—All 100% Purebreds from our most sacred groups: our first crop out of the Triple RRR cows, our two Ankorian Dynamo calf crops including black red carriers, plus our Dynamo 327 and Chinook 605 calf crops! Calves at side include our first sired by Citation and Stampeder.

20 FIRST CALF HEIFERS—100% Purebred and % Registered from our highly selected replacement group.

130 HEIFER CALVES—Mostly Registered %, big Red, Red Baldy and Black Red Carrier heifers ready to breed. Sold in groups of 5 or more.

7. HERE'S HOW YOU CAN BUY THEM...

Social Get Together: Thursday, April 16, 6:00 p.m. at sales headquarters, Holiday Inn West (408/248-7701).

Sale at Ranch: Friday, April 17, 11:00 a.m., 18 miles southwest of Billings, lunch served. Social Credit Terms: 50% DOWN, BALANCE IN SIX MONTHS, 12% SIMPLE ANNUAL INTEREST, UPON PRIOR APPROVAL ALL APPLICATIONS WILL BE HANDLED IN A PRIVATE AND CONFIDENTIAL MANNER.

We think interest rates are too high and credit often not readily available when needed. Many of our good customers are experiencing limiting moisture or economic conditions at a time when what they need most is superior bulls for the continued success of their operations. They know and we know that bulls are the most important variable providing 90% of the improvement in a herd through their progeny and their daughters' production. Since we are in a position at this time to offer this service, we feel we owe it to our customers.

DELIVERY: We coordinate trucking since we always have cattle going to all areas. IF YOU CANNOT ATTEND: We guarantee total satisfaction on any selection you have us make under our "sight unseen purchase" program.

CATALOGUES: Mailed upon request—supplement at sales on farms.

A Family Ranch Enterprise Dedicated To The Genetic Engineering Of Beef Cattle
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James H. Leachman • 3135 Sycamore • Billings, MT 59102 • 406/656-5583
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"There is a Difference With Leachman Red Cattle"

Comments

Last fall, W.D. Farr of Greeley, Colo., and other industry leaders called for a shorter term of feeding cattle, from an excess of 140 days to 100 days, to reduce excessive feeding costs and make beef more competitive with other meats.

Farr suggested that feeders supply their fat cattle buyers with computer printouts showing them how and what the cattle were fed.

Some feeders wrote us that, while they sympathize with Farr's position, they couldn't get their packer buyers to look at cattle with less than 140 days feed.

Also, there were some problems with the federal grading service last summer and fall being particularly critical of cattle fed in Arizona and the Imperial Valley to the extent that in one plant, only 22% of the fed cattle graded choice. Some of their mates, fed the same way, were shipped unanimously to a plant in Texas where more than 70% of these graded choice.

In the meantime, special promotions on the West Coast featuring "Lean Beef" have been rather successful and demand for short-fed no-roll beef has been growing. Consequently, 55% of those Arizona-fed cattle were grading choice by the end of January, but the price differential between choice and good grading cattle had narrowed so that there was little difference and feeders were still losing money.

In line with all this, we took 50 people on the ranch tour of the Hawaiian Islands this month. During the past year, most island ranchers have had to feed-out cattle in their own ranch feedlots or in a commercial feedlot operated by the Hawaiian Meat Co. on the main island of Oahu. That feedlot is operating at only 50% of capacity because of ever increasing island feedlot costs. Most cattle going to slaughter now in Hawaii are either short-fed no-rolls or "grass-fats."

Tony DeCort and his sons operate a very efficient but small packing plant on the island of Maui where they process around 150 head of cattle with two slaughtering days a week. They told us, "We're in the red meat business because that is where demand is now. Our buyers know our product and what will keep their customers happy. Cow beef is in most demand here. All Hawaiian cattle sell on the rail and cow beef wholesales for 84 cents a lb. compared to \$1.14 for choice. And, it costs nearly one dollar a pound to feed cattle on the islands."

Maybe W.D. Farr will see his wish to shorten feeding terms come true on the mainland as it has in Hawaii.

DICK CROW

Conference debates risk assessment plan

The primary topic of debate at the "Focus on Food Safety" National Food Policy Conference held recently in Washington, D.C., was whether a risk assessment scheme could satisfactorily replace current "zero-risk" U.S. food safety laws.

A risk assessment scheme, as favored by many food industry groups, would permit federal regulators to weigh the type and extent of the health risk an additive might pose in determining how stringently to regulate its use, reports CNS.

Current U.S. food safety laws generally prohibit the use in any amount of a food additive that could pose a health risk to consumers of food containing that substance.

At the two-day conference, sponsored by the Community Nutrition Institute and the Food Marketing Institute, Representative Albert Gore (D-Tenn.), said any risk assessment law would have to give federal regulators more discretion over the regulation of individual food additives. Regulators should therefore be made more accountable for their use of this additional discretion, he said.

Gore said risk assessment legislation would also have to provide for a public information effort to explain the possible pitfalls of the techniques through which assessments would be made.

He said Congress should begin discussing changes in

current food safety laws, but added that any changes are still probably a long way from implementation. Congress must do nothing that would undermine consumer confidence in the safety of the U.S. food supply, he said.

Samuel Miller, director of the Food and Drug Administration's Bureau of Foods, said a risk assessment approach to food safety is theoretically feasible, but considerable work must be done in the area before any legislation can be implemented.

Assessing the potential health risk of a food additive would require much more knowledge about an additive's effect on health than is needed under current

law, Miller said.

American Meat Institute President C. Manly Malpus said continuation of current food safety laws will result in more food health "scare," such as those over saccharin and sodium nitrite, undermining public confidence in food safety.

Malpus said the food industry does not view risk assessment as a magic formula that will solve all U.S. food safety problems. The industry has espoused the risk assessment cause partly to stimulate upon discussion of food safety issues, he said.

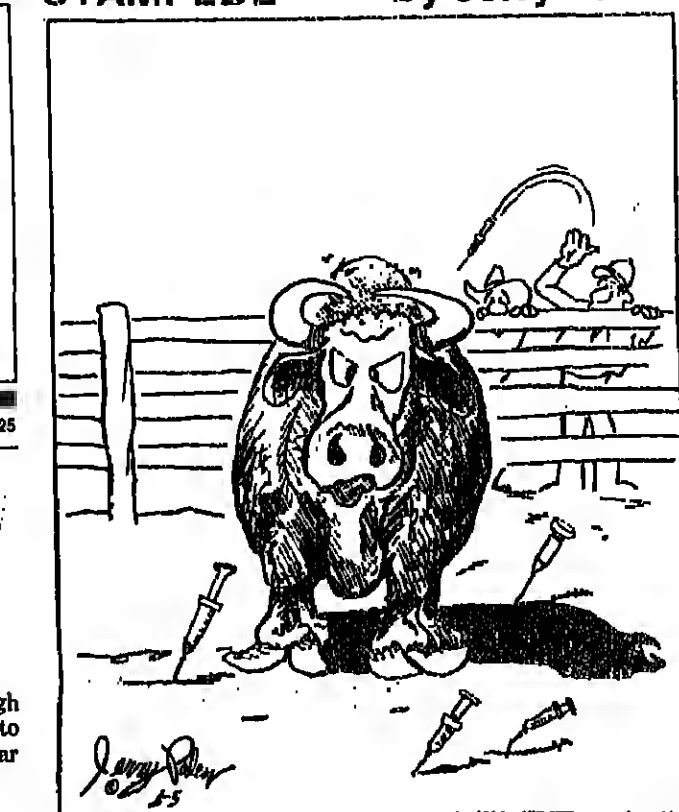
Gilbert Omenn, of the Woodrow Wilson School of Public and International Affairs, told the group the process of characterizing

the risk of a food additive in a way consumers could easily understand would be a difficult one. He said it might be impossible to define an acceptable margin of food additive safety for the U.S. population as a whole.

Samuel Epstein, University of Illinois professor of occupational medicine, argued that risk assessment would be a scientifically invalid way of regulating food additives, because estimates of risk can vary widely depending on the risk measurement procedure used.

Epstein said risk assessment was "solely an effort to justify the introduction of profitable, but carcinogenic compounds into the marketplace."

STAMPEDE By Jerry Palen



New Mexico Cattle Growers' Convention: Cattlemen must 'launch offensive' to protect beef market, says Berry

By LEE PITTS

"Beef producers have lost their market to the tune of 20%. Since 1974, beef consumption in this country has dropped from 96 lbs. per person to 78 lbs. of beef at the retail level. We are in a protein battle and are being outproduced, outprocessed and outmarketed by protein products with a lower price."

With those realistic comments Dr. W.T. "Dub" Berry, Jr., executive vice president of the National Cattlemen's Association, opened the general session of the 1981 New Mexico Cattle Growers' Convention.

Cattlemen from throughout the Southwest converged on Albuquerque to hear a host of top speakers and to discuss problems within the New Mexico livestock industry.

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Pork pressures roast's ratings

A Restaurants and Institutions Magazine survey of 2100 food service operators found that fried chicken was offered on 70.6% of the surveyed menus, followed by roast beef on 63.7% of the menus.

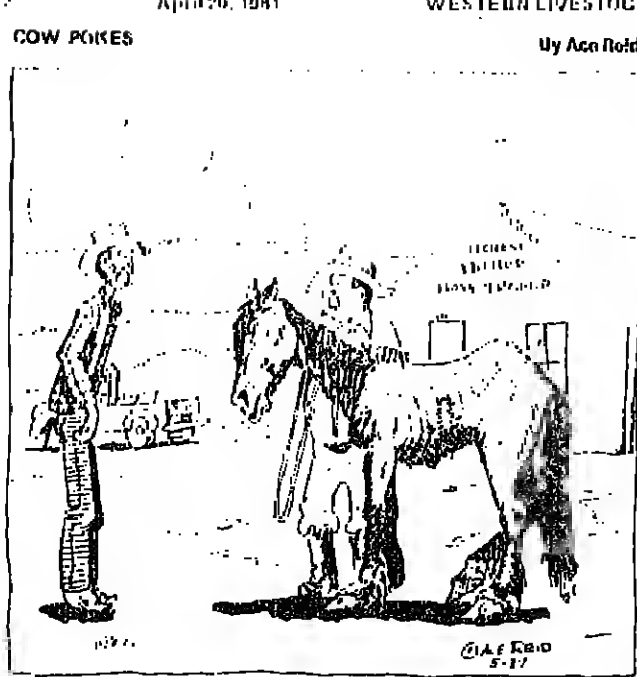
Although roast beef was the most frequent red meat for menus, roast pork, on 44.4% of the menus, increased the most, up 2.4 points from last year.

Although hamburgers, at 78.4% of menus, and cheeseburgers, at 74.7%, were the most frequent sandwich items, ham and cheese sandwiches were a close third at 71.4%. Barbequed pork sandwiches were the fastest growing sandwich item, up 3.2 points from last year.

The survey also measured how well each item was selling. Fried chicken was 63.4% successful, roast beef 57%, hamburgers 74.8%, ham and cheese 58.7%, baked ham 50.5%, and roast turkey 47.8%.

NEWSPAPER (priority handling)

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"Wul here is a nice little ole' pony that's classy and don't eat much!"

Western Livestock Journal

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Electronic monitors may aid cattlemen

An electronic device called a transponder inserted beneath the skin of livestock may one day help cattlemen increase meat production at less cost, a USDA animal scientist reports.

With the device, animals can be identified by number and their subdermal temperatures measured electronically. The identification number can eliminate hot branding and its problems and can be used to keep a lifetime computer record of individual livestock.

One of the more practical uses of the transponder is in connection with an electronic scale placed near where cattle water and where their weight, temperature and identification number can

all be recorded on "off-the-shelf" low-cost computers. The device, about the size of a man's pocket knife, was developed by the University of California's Los Alamos Scientific Laboratory, Los Alamos, N.M., under the direction of Dale M. Hohn for USDA's Animal and Plant Health Inspection Service.

Another agency of USDA, the Science and Education Administration, has been testing the transponder on cattle running SEA's 190,000-acre Jornada Experimental Range near Las Cruces, N.M.

Deau M. Anderson, USDA-SEA animal scientist, is evaluating these devices with cattle grazing 8,700 acres at Jornada and has fenced off a water tank so that the animals must cross the electronic scales to drink.

As they pause on the scale, their weight is recorded on the computer. Above the scale an antenna sends a microwave beam toward the transponder. The beam penetrates the animal's skin with enough

strength to power the transponder's circuitry. It then sends back to the antenna an encoded identification number and subdermal body temperature to the computer.

When the system becomes available commercially, individual animal record keeping should increase production at a lower cost with management decisions based on long-term individual records rather than herd averages.

"Cattle weights can vary from day to day. Yet, monitoring animal weight change is the most frequently used technique to measure animal response to forage conditions."

"Frequent weighing has not been practiced in the past because of labor cost and handling stress to livestock. With present day electronic scales and electronic identification, automatic daily weighing is possible without high labor requirements and detrimental handling stress to the animals," Anderson says.

"Along with animal electronic identification comes subdermal electronic temperature monitoring. Part of an animal's individuality is expressed in a slightly different mean body temperature with perhaps a different daily pattern. However, health problems may be eminent if temperatures in cattle exceed 103 degrees F. Research into the practical use of temper-

ature monitoring for health management is presently being conducted," he adds.

Scientists at the Los Alamos Scientific Laboratory say that the transponder is the "missing link" that is necessary for individual animal management. With it, they say, the animals can be identified and their temperature measured from a distance. These readings, taken electronically in a "computer-compatible" format, are fast and error free. With such a system, it is practical to monitor an animal's conversion of feed to meat or milk and its resistance to disease, shipping fever, and other stressful factors.

They caution, however, that widespread application—the livestock industry has far more than enough for a national identification system—must wait until costs are reduced. Presently transponder cost is high since each unit is handmade; however, widespread use could reduce those costs considerably through mass production.

It is estimated that as many as 100 million animals can be "numbered" by the system without duplication. The transponder study on the Jornada is part of a larger study of range livestock behavior on and range lands.

Dr. Anderson is located at the Jornada Experimental Range, P.O. Box 698, Las Cruces, N.M. 88001.



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Contaminated vaccine may be cause of heifer abortions

(Continued from page 1)

"For BVD, most of our cows in this area have a natural immunity to it," Jim Butler told Western Livestock Journal. "But the immunity does vary. And that is probably why so few older cows were hit—they were immune to BVD but the younger females hadn't had a chance to build up an immunity. The ones that aborted this year will now be immune. But these ranchers just have to let it run its course, and it gets expensive."

Norden unable to pinpoint the exact cause of the abortions did acknowledge the contamination of one batch of Calf Guard vaccine. The company moved quickly

to negotiate with ranchers to maintain good will in the area.

"We are offering \$275 per calf to cover the cost of feeding," said Dr. Bob Steer of Norden. "For purchased breeders there will be further negotiations. We want our good will to continue with these ranchers."

Steer explained that the BVD contamination probably came from the media used in preparing the vaccine. Fetal calf serum is used and it has been found to occasionally contain a naturally-occurring BVD virus. However, with new equipment for testing that has been installed in the past year by Norden, BVD

contamination will be picked up in the future. The Calf Guard vaccine currently being questioned was tested by accepted methods prior to sale in 1979. Since then, a Flame Illumination test method had been added.

"The vaccine was perfectly good when we released it in 1979," concluded Steer. "But when it was brought back in and retested on the new equipment, the adulteration showed up. There is no way to go backwards on the testing to find out if the fetal calf serum was the cause, but that is what we think."

All those in favor of saving gasoline in 1981, raise your right foot.

Armour to close slaughtering plant

Armour Food Co. recently announced it will close its beef slaughtering plant located at Hereford, Texas, effective Sept. 30.



V8 WINS—Grand champion Brahman bull for the SAAHA show in Tucson, Ariz., is Mr. V8 509/2. The senior champion Brahman bull is owned by the V8 Ranch of Hangerford, Texas.

FDA still taking comments on medicated feed proposal

The U.S. Food and Drug Administration has announced it has extended until July 9 the deadline for public comment on its proposals for revising the agency's procedures for approving new animal drugs used in medicated feeds.

Reports CNS, the original deadline for public comment on that proposal was April 9.

The proposal, published

in the Jan. 9 Federal Register, was designed to reduce the feed manufacturing industry's long-term cost of compliance with FDA regulations and to reduce the cost of administering the FDA's medicated feeds program.

Under the proposal, the FDA would direct most of its effort toward regulating the use of high-risk drugs and drugs used in high-risk

concentrations. It would regulate less stringently the use of drugs posing relatively low risks or those used in relatively low concentrations.

According to the FDA, implementation of the proposal would allow the agency to direct most of the resources of its medicated feeds program toward protecting the public from unsafe drug residues in

edible products made from animals consuming the drugs.

Jack Sprat too thin?

Metropolitan Life Insurance Co. is making plans to change its tables on "desired weight" of human beings—adding at least 15 lbs. to weight levels. Charts now in use by Metropolitan Life are nearly 20 years old.

Les Hill Herefords

Strong in Carpenter Breeding

Sell April 27 • 4 Corners BCIA Hesperus, Colorado

Tag	140-Day ADG	ADG Ratio	WDA
34-1	3.33	107	2.84
34-2	3.15	101	2.76
34-4	3.19	102	2.89

This is one of the top sale of bulls on test. They are all with lots of frame.

Lbs. Feed/Lbs. Gain 6.25

LES HILL

HEREFORDS

COLLBRAN, COLORADO 81624
303/478-3725

CONTINENTAL WEST ANGUS

SELL AT HESPERUS
4 Corners BCIA Sale, April 27



He Sells!

Angus	Tag	140-Day ADG	ADG Ratio	WDA
	12-1	3.42	106	2.90
	12-2	3.52	109	2.77
	12-3	3.28	101	2.87
	12-4	3.89	114	3.14
	12-5	3.41	105	2.88

Feed Conversion 6.14 lbs. Feed/lbs. Gain

All of these bulls are sired by the outstanding Angus sire Shoshone Titan FD60.

Red Angus	Tag	140-Day ADG	ADG Ratio	WDA
	15-1	3.58	111	2.97

Feed Conversion 6.44 lbs. Feed/lbs. Gain.

This bull is sired by Leachman Chinook 605.

Continental West Angus

Bob Wilcox 303/247-1326

P.O. Box 1383 • Durango, Colorado 81301

Brice Lee Herefords

4 Corners BCIA Sale • April 28

Hesperus, Colorado

TAG 31-3 THE 2nd HIGH GAINING
HEREFORD BULL ON TEST.

An excellent son of Tarrington P3484 this powerful young prospect has an ADG of 3.84 for the 140 day test and his ADG is 123. The WDA of 2.94 is among the tops.

Tag	ADG	ADG Ratio	WDA
30-1	3.44	110	2.92
30-4	3.34	107	2.82

Feed Conversion 6.39 lbs. Feed/lbs. Gain.

Both of these bulls are sired by Outay 3446.

Tag	ADG	ADG Ratio	WDA
31-2	3.20	103	2.59
31-3	3.84	123	2.94

Feed Conversion 6.69 lbs. Feed/lbs. Gain.

This pen of bulls is sired by Tarrington P3484

BRICE LEE HEREFORDS

P.O. Box 1301 • Durango, Colo. 81301

303/247-0481

PAULEK RANCHES AT HESPERUS • APRIL 27

The High Performance Polled Hereford Sire Group
4-Corners BCIA Sale • Hesperus, Colo.

THE TOP POLLED HEREFORD SIRE GROUP

Tag	Sire	140-Day ADG	ADG Ratio	WDA
24-2	Sakoy Vic FNI	3.36	117	2.65
24-3	Sakoy Vic FNI	2.95	103	2.43
24-4	OR Victor U81 G25	2.88	100	2.34
24-5	OR Victor U81 G25	3.23	113	2.80
24-6	OR Victor U81 G25	2.77	96	2.36

Feed Conversion 6.39 lbs. Feed/lbs. Gain

Our Horned Herford Group

Tag	Sire	140-Day ADG	ADG Ratio	WDA
25-1	L1 Advance Dynamo 72	3.37	108	2.75
25-2	L1 Advance Dynamo 72	3.56	114	2.95
25-3	Atomic Arden RB 7639	3.16	101	2.65
25-5	Atomic Arden RB 7639	3.30	106	2.71
25-6	L1 Advance Dynamo 72	3.44	110	2.75

Feed Conversion 6.25 lbs. Feed/lbs. Gain

PAULEK RANCHES

Grant Paulek • Hesperus, Colorado

Phone: 505/327-1038

4-Corners BCIA Sale—April 27

3 sons of Upstream
L1 Dom 424 sell!

Tag	140-Day ADG	ADG Ratio	WDA
28-1	3.14	101	2.59
28-2	3.13	100	2.87
28-3	3.56	114	2.79

Tag 28-3, the 8th High Gainer on Test

OPEN HEARTH

Hereford Ranch

Jack T. Vidmar & Son Dick
600 Albany, Pueblo, Colo. 81003
Office: 303/544-5844
Ranch: 303/485-3478

BARTEL

HEREFORDS
Genetic Package Day
Tuesday, April 28

of the ranch

Mancos, Colorado

See the top sons of L1 DOMINO 78583 and L1 ADV DYNAMO 409. Big yearlings and 2-year-olds, all with the HERITABLE EDGE. for sale at private treaty.

HERITABLE EDGE at 4-Corners

Adjusted yearling weight is the most heritable measure of total growth potential. Since the beginning of the 4-Corners BCIA test our bulls have consistently been well above average in yearling weight. This year they average a big 5% more than all other Herefords on test. They're bred and selected for high yearling weights—it gives them the HERITABLE EDGE. Watch for them—pen 20

For more information contact:
Lawrence E. Bartel • 303/533-7375
Route 1, Mancos, Colorado 81328
(9 miles east along U.S. 160—look for the sign)

LAWRENCE INDERGARD The 3rd High Sire Group on Test at Hesperus

Sire Group in Feed Conversion—6.55

These bulls sell April 27 at the
4-Corners BCIA Sale, Hesperus, Colo.

Tag	140-Day ADG	ADG Ratio	WDA	*MBV	*BV	*GBV
27-2	3.60	117	2.85	100	102	106
27-3	3.17	102	2.69	102	105	106
27-4	3.60	115	2.83	100	104	105
27-5	3.39	109	2.59	101	101	100



HH Advance A6000

The sire of the above listed bulls

*MBV-Maternal Breeding Value, BV-Breeding Value,
GBV-Growth Breeding Value

Tag	140 Day ADG	ADG Ratio	WDA
27-6	3.34	107	2.77

This bull was sired by Upstream L1 Dom 392.

Lawrence

Indergard

Phone: 303/242-0797 1024 24 Road
GRAND JUNCTION, COLORADO
81501

WALCHLE CATTLE CO. SIMMENTAL

The High Gaining Bull on Test!

4-Corners BCIA Sale, Hesperus, Colo. April 27

Tag	140-Day ADG	ADG Ratio	WDA	% Sim.	Sire
9-1	3.49	103	3.08	PB	Signal
9-2	3.33	98	2.80	7/8	HSF Galant 41H
9-3	3.48	102	3.04	3/4	Cimarron Prince 714
9-4	3.68	114	2.99	3/4	Cimarron Prince 714
9-5	3.56	105	2.84	7/8	Usch-Austrian bull
9-6	4.08	119	3.33	PB	Usch-Austrian bull

Cimarron Prince 714 is a Fullblood son of the great Extra.

Feed Conversion: 5.52 lbs. Feed/lbs. Gain.

WALCHLE CATTLE CO.

Ralph and Karen Walchle

Ridgway, Colorado • 303/626-5656

COLORADO STATE UNIVERSITY

Offers Some Outstanding Young Hereford Bulls
and 1 Red Angus
at the 4 Corners BCIA Sale
April 27, Hesperus, Colorado

Tag	Line of Breeding	WW	WR	ADG	ADG Ratio	YW	YR	Height
1-11	Royal	629	126	3.02	105	1095	115	48"
5-15	Prospector	502	101	3.35	116	1052	111	50"
2-11	Tarrington	592	119	3.19	111	1079	113	48.5"
6-15	Uray	617	124	2.90	101	1084	114	48"
3-12	Harmosa	607	122	2.81	97	1077	113	48"
4-3	Regal	523	105	3.39	118	1057	111	48"
6-10	Brae Arden	493	99	3.87	134	1009	106	48"
4-4	Don Colorado	536	108	3.51	122	1051	110	46.75"
6-1	Delores (Red Angus)	625	126	2.88	100	1092	115	47.75"

For more information, contact:

CSU San Juan Basin Research Center
Hesperus, Colorado
Al Denham, Superintendent • 303/385-4574

Serving the livestock industry since 1922—Western Livestock Journal

CW HUNTINGTON

PROSPECTORS Struck Gold
At Hesperus

HEREFORD AND RED ANGUS BULLS SELL APRIL 27
AT THE 4-CORNERS BCIA SALE,
HESPERUS, COLORADO

- ★ Top Gaining Polled Hereford & Red Angus on test
- ★ Top Performing Hereford and Red Angus sire group

Tag	Breed	Sire	140-Day ADG	ADG Ratio	WDA
32-1	Hereford	CW Prospector 823	3.12	100	2.89
32-2	Hereford	CW Prospector H7 902	3.59	125	2.93
32-4	Hereford	CW Prospector 823	3.37	106	2.94
32-5	Hereford	CW Prospector H7 902	3.56	114	2.65
32-6	Hereford	CW Prospector H7 902	3.39	109	2.81
33-1	Hereford	Prospector 7558	3.39	109	2.80
33-2	Hereford	Prospector 7558	3.33	107	2.71
33-4	Hereford	Prospector 7558	3.30	106	2.57
33-8	Hereford	CW Prospector 823	3.11	100	2.84
11-1	Red Angus	MR 436 CWH 90	3.66	114	3.07
11-2	Red Angus	MR 436 CWH 90	3.40	106	2.72
11-3	Red Angus	MR 436 CWH 90	3.14	97	2.66
11-4	Red Angus	MR EP70 CWH R6 817	3.14	97	2.56

Tag 32-2 is the high gaining Polled Hereford bull on test. Pen 32 is the high gaining sire group on test with an ADG of 3.51 (on 3 bulls) and an ADG Ratio of 113. The feed conversion is 6.09 lbs. feed/lbs. of gain.

Some of the top individuals in the entire test are from the above list of bulls. Plan to stop by our pens prior to the sale and we will be happy to give you any additional information you may wish.

C.W. Huntington Ranches

Hesperus, Colorado 81326

303/966-2532

Riddle Brothers Herefords

Once again we have one of the top performing groups of bulls in the sale, including the Highest Yearling Weight Bull among the Herefords.



4 Corners
BCIA Sale,
Hesperus, Colo.
April 27.

RB Prospector
OU 750

The sire of all
our bulls on test.

Tag	140-Day ADG	ADG Ratio	WDA
38-1	3.39	109	2.73
38-2	3.68	117	2.78
38-3	3.16	101	2.76
38-4	3.08	99	2.52
38-5	3.04	97	2.54

Feed Conversion 6.28 lbs. Feed/lbs. Gain.

Tag	140-Day ADG	ADG Ratio	WDA
37-1	3.65	117	3.08
37-2	3.08	99	2.65
37-4	3.08	99	2.81
37-6	3.49	112	2.94

Feed Conversion 6.13 lbs. Feed/lbs. Gain.

Tags 38-1 and 38-2 are owned by Connie Jo Riddle, Hesperus, Colo.

THE TALLEST HEREFORD BULL ON TEST IS TAG 37-1

We are selling 40 head of 2-year-old Hereford bulls at auction on APRIL 16 at the Delta Sale Yard, Delta, Colo. Plan to attend. The bulls are big, rugged and ready for turn out.

Riddle Brothers

Box 66 • Whitewater, Colorado 81527
Kent Riddle 303/824-2316 or 227-3819

4-Corners Bull Sale

San Juan Basin Research Center

Monday, April 27

Hesperus, Colorado

12:30 p.m. (17 miles S.W. of Durango, 40 miles N. of Farmington)

32nd Annual Production Test

Colorado State University and the Four Corners Beef Cattle Improvement Association will sell 200 of the top performing bulls.

325 Bulls on Test

Includes:

184 Herefords 23 Polled Herefords
19 Red Angus 49 Angus
12 Limousin 32 Simmental
4 Salers 4 Charolais

These bulls represent some of the top bulls from Colorado State University and 42 ranches over a 4-state area, many of which have been performance testing for years.

Inspection of bulls, Sunday, April 26 • SALE April 27

Catalogs may be obtained by writing:

A.H. Denham
Superintendent
San Juan Basin Research Center
Hesperus, Colorado 81326
Phone: 303/385-4574

Jim Brinks
Department of Animal Science
Colorado State University
Fort Collins, Colorado 80523
Phone: 303/491-6828

GR 114 YR 104 Moore

1. The first part of the document is a header section containing the title "THE EFFECTS OF THE 1997-1998 EL NIÑO ON THE
 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 8

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|-----------|-----------|----------|------------|-------------|
| 18-24 | 100 | 100 | 100 | 100 |
| 25-34 | 85 | 85 | 85 | 85 |
| 35-44 | 70 | 70 | 70 | 70 |
| 45-54 | 55 | 55 | 55 | 55 |
| 55-64 | 40 | 40 | 40 | 40 |
| 65+ | 15 | 10 | 10 | 10 |

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